



LN SERIES

LED SUSPENDED AMBIENT LUMINAIRE

Every Room Should Have A View This Good.

CREE 





LN Series Suspended Ambient Luminaire

A SUSPENDED LUMINAIRE FOR THE MASSES.

CUTTING-EDGE CREE WAVEMAX™ TECHNOLOGY

A game-changer in optics technology, WaveMax™ Technology allows for a unique streamlined design which provides more uniform ceiling and task illumination with exceptional efficacy.

BEAUTY MEETS PRACTICALITY

These suspended luminaires are more than just sleek and eye-catching. They also have a secret: design and installation are simpler, faster and more cost-effective thanks to a unique modular light engine and increased energy savings from integral SmartCast® Technology lighting controls.

ARCHITECTURALLY APPEALING, ATTRACTIVELY AFFORDABLE

This suspended linear gives architects an adaptable and supremely high-functioning light system with a super-modern, low-profile look at an appealing price point. The LN Series is a true architectural element that makes specifying a better light a simple choice.



LN Series Suspended Ambient Luminaire / Technology

WAVEMAX™ TECHNOLOGY

Now, thanks to WaveMax™
Technology, Cree has once again
changed how it is delivering light.



FROM THE COMPANY THAT CHANGED HOW THE WORLD SEES LIGHT, OUR MOST INTELLIGENT LIGHT EVER.

With the introduction of the Cree® SC5 Technology Platform, Cree has already transformed LED lighting. Advances in the use of silicon carbide enable unparalleled lumens per watt, effectively doubling the lumens produced by a single LED and delivering much longer life at higher operating temperatures. That breakthrough changed how the world thinks about lighting.

WAVEMAX™ TECHNOLOGY. HIGH TECH WITH A VERY HIGH CEILING.

CREE  | **WAVEMAX™ TECHNOLOGY**

Now comes the latest game-changer from the deep thinkers at Cree: WaveMax™ Technology – redefining the limits of intelligent luminaire design and offering inspiring aesthetic options at an unmatched customer value.

90

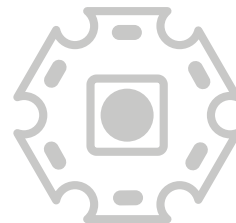
Percent optical
efficiency & precise
optical control

WaveMax™ Technology represents a breakthrough in the execution of waveguide technology that challenges industry-standard assumptions of how light is delivered. Featuring up to 90% optical efficiency and precise optical control, WaveMax™ Technology ensures that light is delivered on the task surface and ceiling with an exceptionally low ceiling contrast ratio. All this is achieved while eliminating multiple layers and materials that add complexity and cost. The result? A sensational one-of-a-kind lighting experience.



DiamondFacet™
Microlenses

Cree engineers leveraged a property known as Total Internal Reflection, which captures light within the internal geometry of the optical waveguide platform. To release and control the light, Cree engineers devised yet another innovation: DiamondFacet™ Microlenses – unique microscopic features located within the optical waveguide platform that extract and deliver light with exceptional control, uniformity and efficiency.



Industry-leading
LED performance
and functionality

These advances in intelligent lighting optics and dispersion enabled Cree designers to fashion the progressive physical design of the LN Series, enabling technology that blends industry-leading LED performance and functionality to provide an incomparable lighting solution. All with a dynamically sleek and elegant design that gives architects and designers a lighting option with an artful form that graces any environment.

PROVEN, REVOLUTIONARY TECHNOLOGY.

Cree is the originator of today's LED lighting technology and is 100% committed to the continued advancement of solid state lighting. From growing our patented Silicon Carbide (SiC) materials, to developing the components, to manufacturing complete lighting systems, our entire portfolio benefits from Cree's unrelenting pursuit of developing the most advanced LED lighting available.

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics and lifelong color consistency, all while maintaining high luminous efficacy – a true no compromise solution.



CREE SMARTCAST® TECHNOLOGY

INTEGRATED SENSORS

SmartCast Technology products incorporate integrated ambient light and motion sensors to achieve energy savings. Embedded sensors in each luminaire eliminate the need for up-front sensor layout design and allow for reliable detection of occupants and ambient light.

ONEBUTTON™ SETUP

SmartCast Technology luminaires and dimmers automatically create intelligent groupings with OneButton Setup. The result is smart lighting that meets existing and emerging building codes and installs and sets up easier than comparable lighting control systems.

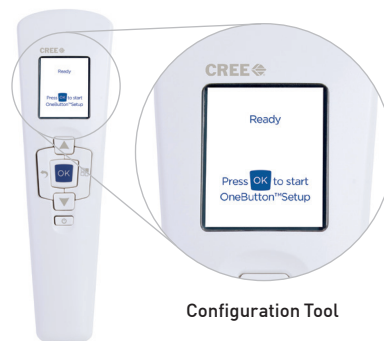
WIRELESS COMMUNICATION

SmartCast Technology luminaires and controls require minimal additional labor to install compared to non-dimming solutions. In new construction and upgrade applications, installers can rely on a secure wireless communication between luminaires and dimmers, eliminating the need for control wiring.

Visit www.cree.com/smartcast to learn more.



LN Series Suspended Ambient Luminaire



Configuration Tool



LN Series Suspended Ambient Luminaire

DESIGNED TO DAZZLE, WHEN IT'S ON OR OFF.

Architecture is the art of establishing a functional space where every element and dimension affects the whole.

Into this equation enters the Cree LN Series suspended indirect/direct luminaire. The sleek, graceful design is made possible by Cree WaveMax™ Technology, which enables the generation and distribution of even, uniform light from a unique architecture of its own. The clean, housing-free shape eliminates ceiling clutter and complements a room in a way that no other suspended fixture can match.

The LN Series is designed to be highly modular, with an industry-standard 48-inch light engine size that's easily combined for longer continuous runs, and offers 0-10V or Smartcast® Technology dimming controls for even more energy-saving opportunities.

With industry-leading WaveMax™ Technology delivering superior illumination quality, simplified modular assembly and appealing pricing, architects and lighting designers have an elegant new solution to the challenge of illuminating workspaces both functionally and artfully.



FEATURES WORTH SPECIFYING.

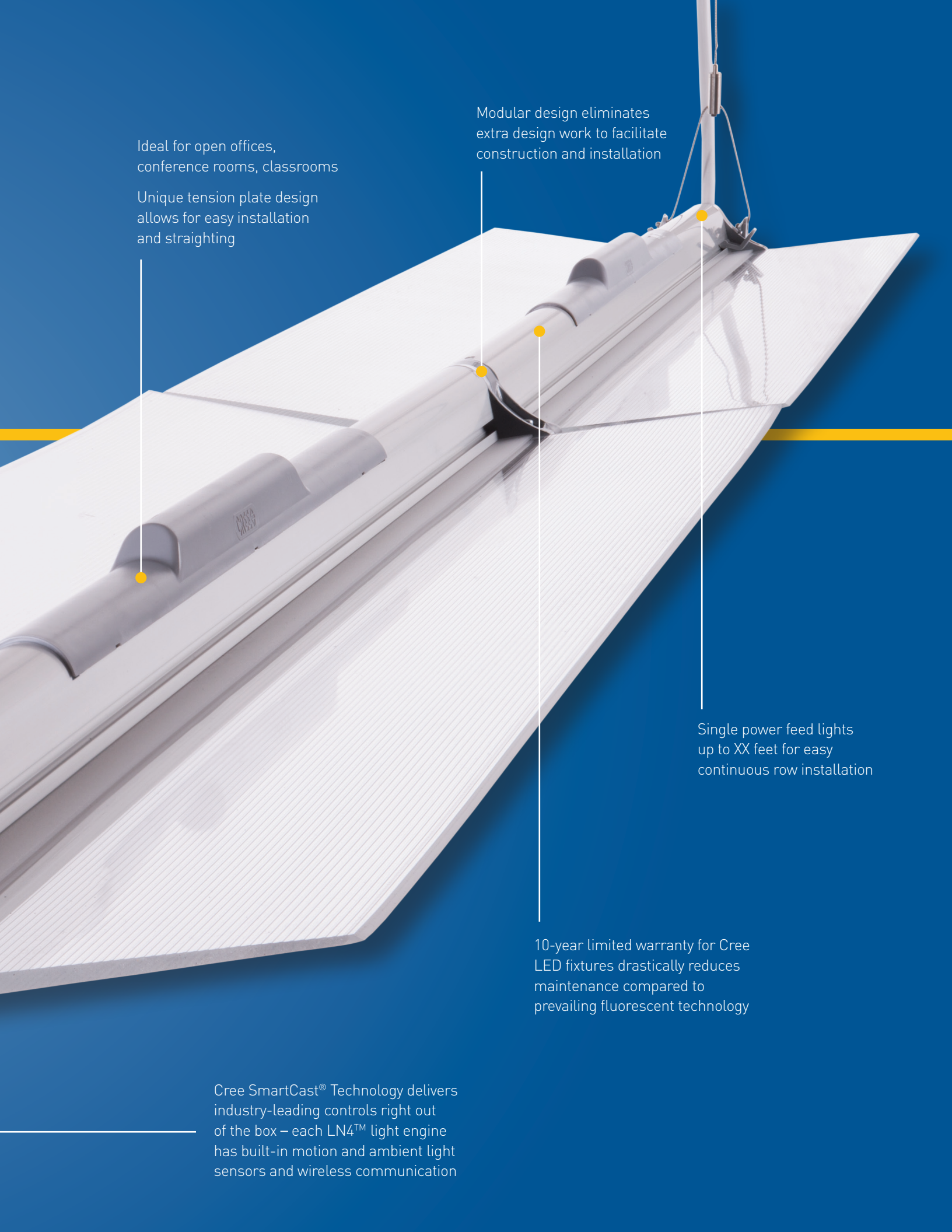
With the LN Series, Cree continues its string of breakthrough products, this time in the suspended indirect/direct luminaire space. With features that are exceptional in every way at a competitive unit price and a competitive cost per square foot, the LN Series is poised to gain wide acceptance with discriminating architects and lighting designers.

Sliding tabs that are adjustable along the entire length of the luminaire

Sleek, ultra-modern design delivers exceptional lighting uniformity along with high efficacy

Interchangeable architecture simplifies ordering and speeds installation





Ideal for open offices,
conference rooms, classrooms

Unique tension plate design
allows for easy installation
and straightening

Modular design eliminates
extra design work to facilitate
construction and installation

Single power feed lights
up to XX feet for easy
continuous row installation

10-year limited warranty for Cree
LED fixtures drastically reduces
maintenance compared to
prevailing fluorescent technology

Cree SmartCast® Technology delivers
industry-leading controls right out
of the box – each LN4™ light engine
has built-in motion and ambient light
sensors and wireless communication

SPECIFICATIONS THAT EXCEED EXPECTATIONS.

The LN4™ suspended ambient luminaire delivers up to 106 lumens per watt utilizing Cree Wavemax™ Technology. The 4' luminaire is available with up to 3400 lumens of Cree TrueWhite® Technology 90+ CRI in both 3500K and 4000K color temperatures. The LN Series features an architectural, sleek design with an indirect/direct lighting system that delivers superior ceiling uniformity and creates a comfortable visual environment. The LN4 luminaire offers standard 0-10V dimming as well as the option for Cree Smartcast® Technology for even more energy savings when utilized. Design and installation are drastically simpler and faster by using a modular lighting engine and integral SmartCast® Technology lighting controls to eliminate unnecessary parts, wiring and labor.

PERFORMANCE SUMMARY

Utilizes Cree TrueWhite® Technology

Utilizes Cree WaveMax™ Technology

INITIAL DELIVERED LUMENS: 3400 lumens
(60% uplight, 40% downlight)

INPUT POWER: 32 watts

EFFICACY: 106 LPW

CRI: 90+ CRI

CCT: 3500K, 4000K

INPUT VOLTAGE: 120-277 VAC, 60Hz

LIMITED WARRANTY†: 10 years on LN4™ luminaire/
5 years on LN4™ luminaire with Cree SmartCast® Technology

DIMENSIONS:

L 48.0" (1219mm) x W 11.8" (300mm) x H 2.08" (53mm)

CONTROLS: 0-10V dimming to 5% or SmartCast® Technology

CONSTRUCTION & MATERIALS

- Constructed of durable 22 gauge steel
- Acrylic lens delivers a low-glare, diffused light distribution
- Highly flexible and adaptable modular design allows for easy continuous mounting and lighting design
- **Weight:** 3.7 lbs. (1.7kg)

OPTICAL SYSTEM

- Cree WaveMax™ Technology optics enable more uniform ceiling and task illumination for a comfortable visual environment
- Inspired design targeted to deliver 60% directional uplight and 40% volumetric downlight to create a soft balanced light experience

ELECTRIC SYSTEM

- **Power Factor:** > 0.9
- **Input Power:** Stays constant over life
- **Input Voltage:** 120-277 VAC, 60Hz
- **Operating Temperature Range:** 0°C - +35°C (32°F - +95°F)
- **Total Harmonic Distortion:** < 20% for 120-277V
- **10V Source Current:** 0.25mA

† See www.cree.com/lighting/products/warranty for warranty terms

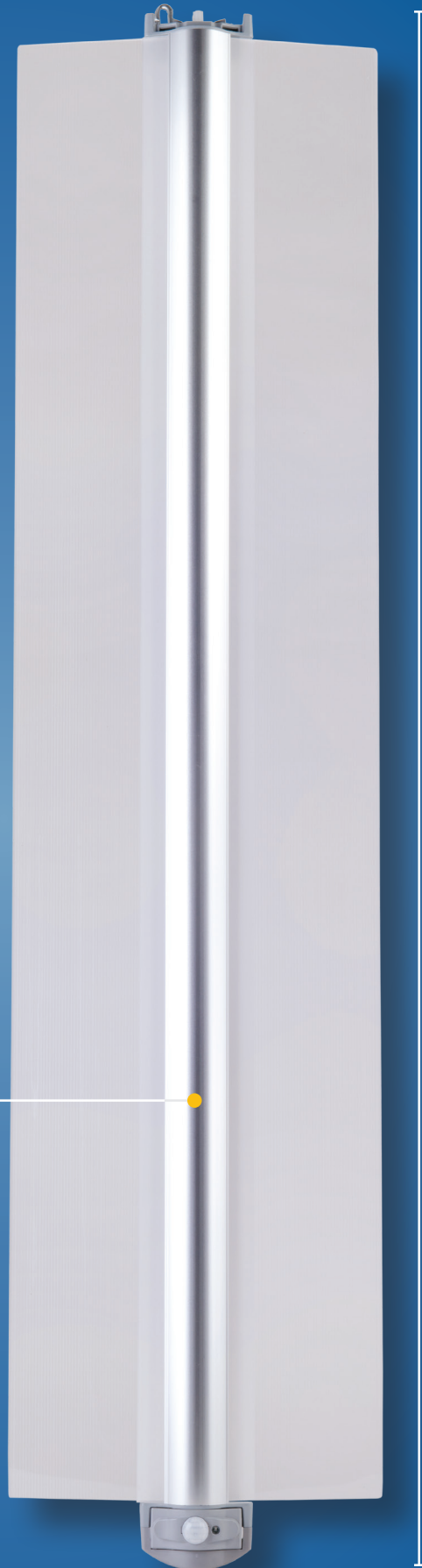
Product specifications subject to change at any time. Visit www.cree.com/lighting to find the most up-to-date information and for recommended dimming control options.

ONLY THE
DIMENSIONS
ARE STANDARD.

H 2.08" (53mm)

L 48.0" (1219mm)

W 11.8" (300mm)



Visit www.cree.com/lighting or contact a Cree lighting representative to learn more.

© 2015 Cree, Inc. All rights reserved. For informational purposes only. Not a warranty or specification.
See www.cree.com/lighting for warranty and specifications. Cree®, Cree TrueWhite® and TrueWhite® are
registered trademarks and LN4™, the Cree logo, and the Cree TrueWhite Technology logo are trademarks of
Cree, Inc. CAT/BRCH-C029

